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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 8 April 2015 from the Permanent Mission of Mexico to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Mexico to the United Nations (Vienna), in accordance with articles III and IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to inform the Secretary-General of the entry into its national registry of the Mexican satellite Eutelsat 115 West B (E115WB), whose owner is the company Satélites Mexicanos, S.A. de C.V. (Eutelsat Americas) (see annex). The satellite has already been registered in the database maintained by the Mexican Space Agency.

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Annex

Registration data on a space object launched by Mexico*

E115WB (Satmex 7)

State of registry:	Mexico
Name of the space object:	E115WB (Satmex 7)
Date and territory or location of launch:	1 March 2015 UTC/GMT-4
	Launch Complex 40 (SLC-40), Cape Canaveral Air Force Station, Florida, United States of America
Basic orbital parameters	
Geostationary orbit location:	114.9 degrees West
Inclination:	0 ± 0.05 degrees
Longitudinal tolerance:	± 0.05 degrees
General function of space object:	Communications satellite
Date of decay/re-entry/deorbit:	20 December 2030 (expected date)
Additional voluntary information for use in the Register of Objects Launched into Outer Space	
Space object owner or operator:	Satélites Mexicanos, S.A. de C.V. (Eutelsat Americas)
Launch vehicle:	Falcon-9 v1.1
Website:	www.spacex.com
Technical details for E115WB	
Orbital position:	14.9 degrees West
Number of transponders:	12 C-band 34 Ku-band
Date of launch:	1 March 2015 2301 hours UTC/GMT-4
Entry into service:	October 2015
Estimated useful life:	15 years
Type:	Communications satellite
Satellite platform:	702SP (small platform)

* The registration data are reproduced in the form in which they were received.

Dimensions of satellite	
Spacecraft length:	32.6 metres
Spacecraft width:	8.3 metres
Spacecraft height:	4.8 metres
Deployed area of solar arrays:	51.7 square metres
Orbit type:	Geostationary
Geostationary orbit altitude:	36,000 kilometres
Stabilization mode:	Triaxial
Precision maintenance:	East/West ± 0.05 degrees North/South ± 0.05 degrees
Precision of antenna positioning:	Antenna pointing ≤ 0.1 degrees
Weight of satellite:	Mass 221.5 kilograms
Launch vehicle:	Falcon-9 v1.1

Transponders

Band	*Number of transponders*	*Bandwidth per transponder (MHz)*	*Bandwidth (MHz)*
C	12	72	72
Ku	34	21/36 MHz	11/54 MHz and 2/56 MHz